

LISTINGS OF THE CLAIMS

In the Claims:

1 – 15 (Cancelled)

16. (Previously Presented) The wet treatment nozzle according to claim 27, wherein the weight is provided on at least one of the outer wall surface and the inner wall surface of the weighted housing in the ultrasonic cleaner.

17. (Previously Presented) The wet treatment nozzle according to claim 27, wherein the weight is provided on the inner bottom surface of the weighted housing in an area where vibration caused by the ultrasonic transducer is not prevented in the ultrasonic cleaner.

18. (Previously Presented) The wet treatment nozzle according to claim 27, wherein the weight is formed by changing the thickness of the weighted housing in the ultrasonic cleaner.

19. (Previously Presented) The wet treatment nozzle according to claim 27, wherein the weight is provided on the entire surface of the wall of the weighted housing in the ultrasonic cleaner.

20 - 26 (Cancelled)

27. (Previously Presented) A wet treatment nozzle comprising:
an ultrasonic cleaner comprising a housing, an ultrasonic transducer placed on an bottom surface of the housing, and a weight provided on the housing;
an introduction passage for introducing a treatment liquid on a side of the ultrasonic cleaner;
an exhaust passage which exhausts the treatment liquid on an other side of the ultrasonic cleaner after a wet treatment of an object to be treated, the exhaust passage exhausting the treatment liquid that wet treated the object;

wherein the ultrasonic cleaner, while vibrating, guides the treatment liquid to wet treat the object to be treated;

wherein the weight minimizes propagation of energy from the ultrasonic transducer to a wall of the housing by shifting the characteristic frequency of the wall of the housing; and

wherein a pressure controller maintains a difference between a pressure of the treatment liquid in contact with the object to be treated and an atmospheric pressure, so that the treatment liquid wet treats only a portion of the object to be treated to which the treatment liquid is supplied.

28. (Previously Presented) The wet treatment nozzle according to claim 27, wherein the housing has a U shaped cross-section.

29. (Previously Presented) The wet treatment nozzle according to claim 27, wherein the shifting of the characteristic frequency of the wall of the housing minimizes a resonance of the wall of the housing.

30. (Previously Presented) The wet treatment nozzle according to claim 27, wherein only the treatment liquid contacts the object to be treated at the portion of the object to be treated to which the treatment liquid is supplied.

31. (Previously Presented) The wet treatment nozzle according to Claim 27, wherein the ultrasonic cleaner guides the treatment liquid introduced from the introduction passage such that fresh treatment liquid is always supplied to the object to be treated.